that the device **9500** does not interfere with other devices (not shown) in the vicinity and conforms to any local requirements. The shield **9506**, however, will not totally eliminate emissions from the device **9500**. Reduced amplitude frequency emissions **9508** which satisfy regulatory compliance levels will still occur. In one embodiment which uses a signature analyzer **9502** to monitor the EM signature of a device **9500**, the signature analyzer **9502** may be suitably positioned outside of the shield **9506** and may monitor these reduced amplitude frequency emissions **9508**. In such embodiments, the signature analyzer **9502** may be an RF receiver such as a narrowband receiver. Such a receiver is capable of being tuned to very specific and reduced emission frequencies. Additionally, using a narrowband receiver may be desirable because such a receiver is relatively cheap.

[0779] In some embodiments, a medical pump device may keep track of the number of infusion sets that the medical pump device administers. The medical pump device may keep track of the infusion sets by utilizing a software radio, operably connected to the medical pump device. The software radio may include a coiled wire operably engaged with a microchip in the medical pump device, such that the microchip can transmit signals via the coiled wire. The software radio, in some embodiments, may be used to transmit a communication signal to a handheld device that is configured to receive the signal. The communication signal may be a number of infusion sets that the medical pump device has administered.

[0780] Further, in some embodiments, the medical pump device may communicate with the handheld device via a speaker on the handheld device configured to receive an acoustic or audio signal from the medical pump device. The audio signal, in some embodiments, may include digital data that is encoded in the audio signal.

[0781] In some embodiments, the medical pump device may communicate with a handheld device by utilizing a motion sensor in the handheld device. The motion sensor may receive motion input from a motion generator included in the medical pump device. The motion generator, in some embodiments, may be a stepper motor, and, further, in some embodiments, the motion sensor may be an accelerometer. The handheld device may be configured to determine a number of infusion sets that the medical pump device has administered from the motion input received by the motion sensor.

[0782] The medical pump device may be configured to pair with a handheld device in order to establish wireless communication with the handheld device. In some embodiments, the medical pump device may establish a Blue Tooth connection with the handheld device. In yet other embodiments, the medical pump device may establish a wireless communication signal with the handheld device by utilizing near-field communication (NFC) signals.

[0783] In some embodiments, the medical pump device may communicate with a handheld device by utilizing a camera that is included in the handheld device. More specifically, the camera of the handheld device may be configured to detect a visual modulation signal. In some embodiments, the visual modulation signal may come from a dome light included in the medical pump device. The handheld device may use the visual modulation signal to determine a number of infusion sets that has been administered by the medical pump device.

[0784] Various alternatives and modifications can be devised by those skilled in the art without departing from the disclosure. Accordingly, the present disclosure is intended to embrace all such alternatives, modifications and variances. Additionally, while several embodiments of the present disclosure have been shown in the drawings and/or discussed herein, it is not intended that the disclosure be limited thereto, as it is intended that the disclosure be as broad in scope as the art will allow and that the specification be read likewise. Therefore, the above description should not be construed as limiting, but merely as exemplifications of particular embodiments. And, those skilled in the art will envision other modifications within the scope and spirit of the claims appended hereto. Other elements, steps, methods and techniques that are insubstantially different from those described above and/or in the appended claims are also intended to be within the scope of the disclosure.

[0785] The embodiments shown in the drawings are presented only to demonstrate certain examples of the disclosure. And, the drawings described are only illustrative and are non-limiting. In the drawings, for illustrative purposes, the size of some of the elements may be exaggerated and not drawn to a particular scale. Additionally, elements shown within the drawings that have the same numbers may be identical elements or may be similar elements, depending on the context.

[0786] Where the term "comprising" is used in the present description and claims, it does not exclude other elements or steps. Where an indefinite or definite article is used when referring to a singular noun, e.g., "a," "an," or "the," this includes a plural of that noun unless something otherwise is specifically stated. Hence, the term "comprising" should not be interpreted as being restricted to the items listed thereafter; it does not exclude other elements or steps, and so the scope of the expression "a device comprising items A and B" should not be limited to devices consisting only of components A and B. This expression signifies that, with respect to the present disclosure, the only relevant components of the device are A and B.

[0787] Furthermore, the terms "first," "second," "third," and the like, whether used in the description or in the claims, are provided for distinguishing between similar elements and not necessarily for describing a sequential or chronological order. It is to be understood that the terms so used are interchangeable under appropriate circumstances (unless clearly disclosed otherwise) and that the embodiments of the disclosure described herein are capable of operation in other sequences and/or arrangements than are described or illustrated herein.

What is claimed is:

1. A method for exposing an image sensor implemented by an operative set of processor executable instructions configured for execution by at least one processor, the method comprising:

selecting a region of interest;

determining when a pixel is within the region of interest;

activating a light of a backlight when the pixel is within the region of interest; and

exposing the pixel.

2. The method according to claim **1**, wherein the operative set of processor executable instructions is stored on a non-transitory processor-readable memory in operative communication with the at least one processor such that the at least one processor can perform the method.